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DVE
Digital Value Engineering

THE BEAST IS UNLEASHED

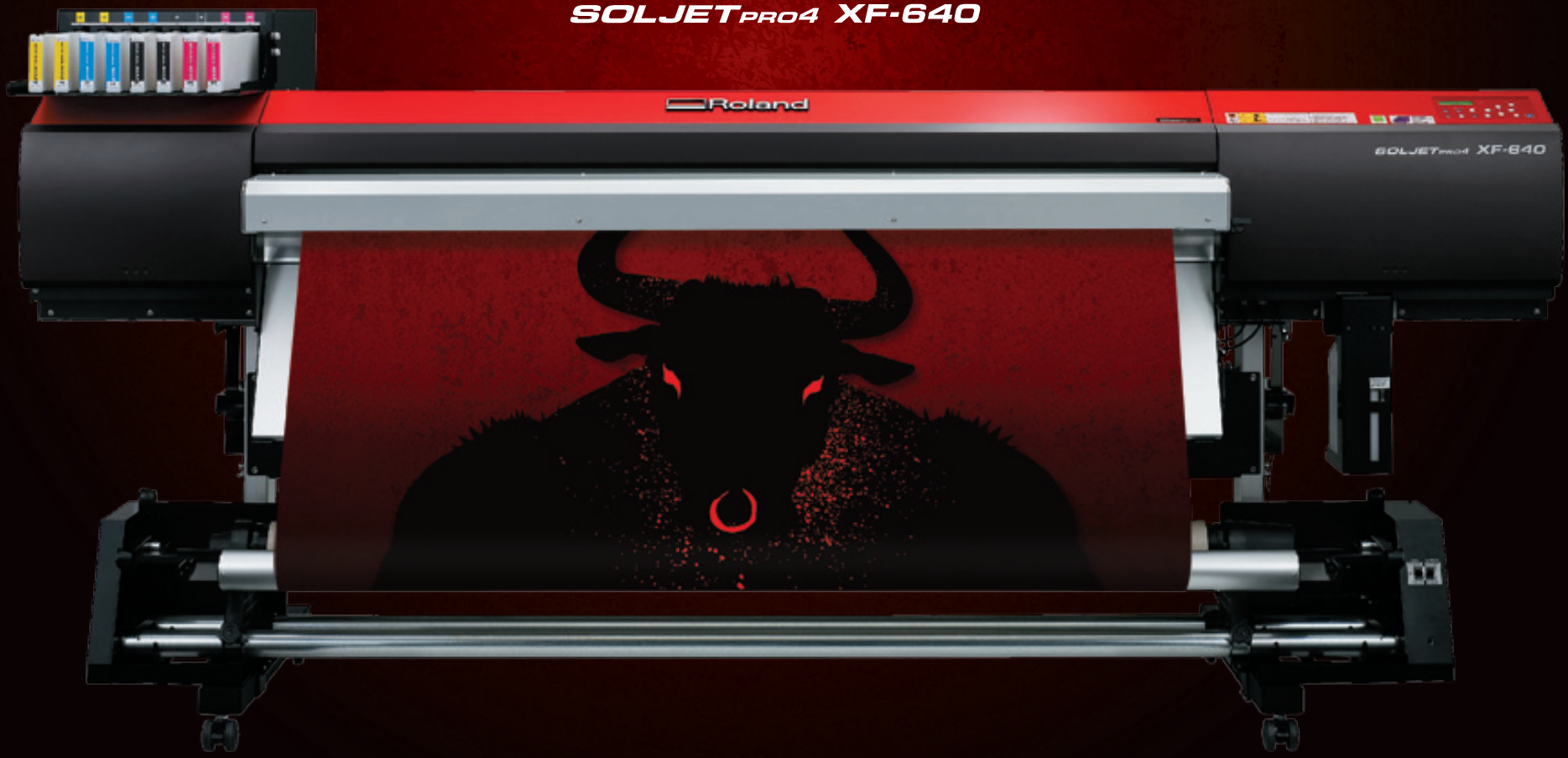
SOLJET PRO4 XF-640

BEWARE THE NEW
SOLJET PRO4 XF-640

HIGH-SPEED PERFORMANCE, REMARKABLE IMAGE QUALITY

How fast can you print without sacrificing quality? Meet the SOLJET PRO4 XF-640, Roland's fastest printer ever. Featuring the industry's latest print head technology, the XF-640 delivers exceptional image quality at the highest speeds. Durable construction and advanced media handling systems stabilise every movement of the printer for flawless imaging. Powerful VersaWorks RIP software automates the workflow for easy operation and reliable results. With the XF-640, the ultimate in performance and precision come together in one ironclad production platform, a great profit centre for your business.

SOLJET PRO4 XF-640



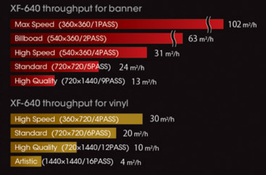
SPEED & QUALITY | Exceptional imaging for the most demanding production environments

Staggered head configuration accelerates production

The XF-640 features dual print heads that are based on the industry's most advanced inkjet technology and positioned in a staggered formation to maximise your productivity. This unique design allows the XF-640 to achieve a maximum speed of 102m²/h for banner printing, two and a half times the speed of the previous model.* To capture every nuance in your design, each head fires precise droplets in seven different sizes. From signs and banners to vehicle graphics, POP and wraps of all kinds, the XF-640 delivers exceptional results throughout the longest production runs.

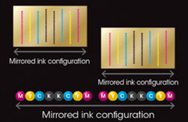
*SOLJET PRO III XJ-640

Staggered head configuration


XF-640 throughput for banner
Max Speed (360x360/1PASS) 102 m²/h
Billboad (540x360/2PASS) 63 m²/h
High Speed (540x360/4PASS) 31 m²/h
Standard (720x720/5PASS) 24 m²/h
High Quality (720x1440/9PASS) 13 m²/h
XF-640 throughput for vinyl
High Speed (360x720/4PASS) 30 m²/h
Standard (720x720/6PASS) 20 m²/h
High Quality (720×1440/12PASS) 10 m²/h
Artistic (1440x1440/16PASS) 4 m²/h

Dual CMYK mirrored print heads image beautifully in high-speed mode

To make high-speed printing more accessible, the XF-640 delivers superior image quality and high density coverage even at top speed. The mirrored CMYK ink configuration applies the ink in the same order across both passes for even colour reproduction, virtually free of banding.



Printed with a conventional model at 360×360 dpi 1PASS at 41m2/h speed

Printed with the SOLJET PRO4 XF-640 at 360×360 dpi 1PASS at 102m2/h speed

High-density ECO-SOL MAX2 ink ensures vivid colour reproduction

Based on award winning Roland ink technology, ECO-SOL MAX2 is our newest and most advanced eco-solvent formulation to date. ECO-SOL MAX2 ink adheres strongly to a variety of coated and uncoated media for rich, saturated colours and sharp images. Formulated to dry quickly, ECO-SOL MAX2 offers outstanding long-term outdoor durability, scratch and chemical resistance and a wide color gamut.

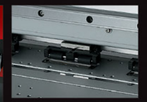
A host of advanced features make set up and maintenance a breeze

A complete solution, the XF-640 comes with Roland VersaWorks® RIP and print management software, which allows you to fully customise printer settings to enhance the job at hand. For example, you can increase the vividness of colours for high-impact outdoor signage, or bring out every subtle detail in fine art or photographic reproductions for stunning results. VersaWorks features built-in PANTONE® libraries that make it easy to match spot colours and reproduce them accurately. A predictive ink calculator estimates the ink usage and print time for each job so you can plan accordingly.

ARCHITECTURE | Durable construction ensures reliable results

New rock-solid rail and frame support precise colour imaging

The XF-640 is built to last, with a powerful AC servo motor designed for volume production. Its reinforced rail and frame structure provides a firm foundation for smooth operation and outstanding image quality in high-speed mode. For added precision, the XF-640 features 16 pinch rollers and redesigned grit rollers which hold media securely in place, preventing any signs of distortion.



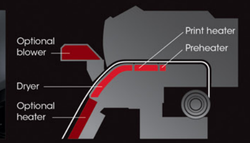
New media feed system includes 16 pinch rollers for letter perfect printing during high-volume runs

Redesigned take-up system handles volume production

With the XF-640, we have redesigned the take-up system for high speed, volume production. Two rigid shafts hold heavy rolls reliably in place for flawless media feeding. A new dancer roller assembly applies just the right level of tension to move media precisely through the printer. An all-new optional heater and blower unit ensures even temperature distribution across the entire width of the media, for prints that dry quickly at high speed.

New take-up system

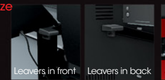
Optional new heater and blower



EASE OF USE | Intelligent design and automated features for easy operation

A host of advanced features make set up and maintenance a breeze

Like the rest of the Roland printer line, the XF-640 is easy to set up and operate. A redesigned front-loading ink cartridge unit facilitates ink replacement while minimising the functional printer footprint. A latched maintenance cover protects the print head assembly and opens automatically at the touch of a button for cleaning. With the XF-640, media loading levers are positioned in both the front and back for maximum convenience. Special media brackets support even the heaviest media rolls as they are loaded into place, and adjustable media holders on both sides of the take-up system support the narrowest of rolls.



Leavers in front Leavers in back

Adjustable media holder

Automated, latched cover

Media brackets

SOLJET PRO4 XF-640

Adobe PostScript 3 · PANTONE Digital Color · RIP & PRINT MANAGEMENT SOFTWARE Roland VersaWorks · ECO-SOL MAX2 · Roland Intelligent Pass Control · Roland OnSupport · Roland DG Creative Center · Roland DG Academy · Roland DG Care

Specifications

Printing technology		Piezoelectric inkjet
Media	Width	259 to 1,625 mm (10.2 to 64 in.)
	Thickness	Maximum 1.0 mm (39 mil) with liner
	Roll outer diameter	Maximum 210 mm (8.3 in.)
	Roll weight	Maximum 40 kg (88 lb.)
	Core diameter*1	76.2 mm (3 in.) or 50.8 mm (2 in.)
Printing width*2		Maximum 1,615 mm (63.6 in.)
Ink cartridges	Types	Roland ECO-SOL MAX2 440-cc cartridge
	Colours	Four colours (cyan,magenta,yellow,and black)
Printing resolution (dots per inch)		Maximum 1,440 dpi
Distance accuracy*3		Error of less than ±0.3 % of distance traveled, or ±0.3 mm, whichever is greater
Media heating system*4		Print heater and preheater, setting range for the preset temperature: 30 to 45°C (86 to 112°F) Dryer, setting range for the preset temperature: 30 to 55°C (86 to 131°F)
Connectivity		Ethernet (10BASE-T/100BASE-TX, automatic switching)
Power-saving function		Automatic sleep feature
Power requirements		AC 100 to 120 V ±10%, 11 A, 50/60 Hz or AC 220 to 240 V ±10%, 6 A, 50/60 Hz
Power Consumption	During operation	Approx. 1350W
	Sleep mode	Approx. 20 W
Acoustic noise level	During operation	62 dB (A) or less
	During standby	45 dB (A) or less
Dimensions (with stand)		2,750(W) x 800(D) x 1,295 (H) mm (108 (W) x 31 (D) x 50 (H) in.)
Weight (with stand)		177 kg (390 lb.)
Environmental	Power on	Temperature: 15 to 32°C (59 to 90°F) (20°C [68°F] or more recommended), humidity: 35 to 80%RH (non-condensing)
	Power off	Temperature: 5 to 40°C (41 to 104°F), humidity: 20 to 80%RH (non-condensing)
Included items		Exclusive stands, power cord, media clamps, media holder, replacement blade for separating knife, software RIP, User's Manual, etc.

*1 The media holder of this machine is exclusive use for the media of paper tube (core) inner diameter 3 inches. To use 2 inches media, the optional media flanges are required. *2 The length of printing is subject to the limitations of the program. *3 •Media type: Media specified by Roland DG Corp. •Temperature: 25°C (77°F), humidity: 50% •Roll media must be loaded correctly. •Excluding expansion/contraction of the media •Not assured when the pre-heater, print heater or dryer is used. •All correction or adjustment function of this machine has been made properly. •Print travel: 1 m *4 •Warm-up is required after power up. This may require 5 to 20 minutes, depending on the operating environment. •Depending on the ambient temperature and media width, the preset temperature may fail to be reached.

Ink

Model		Description
ECO-SOL MAX2 Ink	ESL4-4CY	Cyan, 440cc
	ESL4-4MG	Magenta, 440cc
	ESL4-4YE	Yellow, 440cc
	ESL4-4BK	Black, 440cc
Cleaning liquid	ESL4-CL	1pc.

Roland VersaWorks System Requirements

Operating system	Windows® 7 Professional or Ultimate (32/64-bit); Windows Vista® Business/Ultimate (32/64-bit); Windows® XP Professional Service Pack 2 or later (32/64-bit)
CPU	Core™2 Duo, 2.0 GHz or faster recommended
RAM	2 GB or more recommended
Video card and monitor	A resolution of 1,280 x 1,024 or more recommended
Free hard-disk space	40 GB or more recommended
Hard-disk file system	NTFS format
Optical drive	DVD-ROM drive

*Roland VersaWorks® is a 32-bit application, which runs on 64-bit Windows® with WoW64 (Windows 32-bit on Windows 64-bit).

Optional heater and blower

DU2-64

To further increase your productivity, we recommend our optional heater and blower unit. The new, redesigned heater delivers even temperature distribution across large graphics and dries ink saturated prints quickly during high-speed production. Plus, the optional heater and blower can be installed right on the printer to conserve space in your shop.

Optional DU2-64 heater and blower specifications

Dryer unit		Heating type (with blower fan), setting range for the preset temperature: 30 to 55°C (86 to 130°F)*1
Power requirements*2		AC 100 to 120V ±10%, 5.5 A, 50/60 Hz or AC 220 to 240 V ±10%, 3 A, 50/60 Hz
Power consumption		Approx. 750 W
Weight		26 kg (57 lb.)
Environmental	Power on*3	Temperature: 15 to 32°C (59 to 90°F)—(20°C (68°F) or more recommended), humidity: 35 to 80% (non-condensing)
	Power off	Temperature: 5 to 40°C (41 to 104°F), humidity: 20 to 80% (non-condensing)
Included items		Power cord, arms, bushing, cable clamps, stays, hexagonal wrench, bolts, washers, User's Manual

*1 •Warm-up is required after powerup. This may require 5 to 20 minutes, depending on the operating environment. •Depending on the ambient temperature and media width, the preset temperature may fail to be reached. *2 •Be sure to connect the machine to an unshared electrical circuit. •Be sure to verify the amperage of the circuit breaker or fuse used.

Roland DG products that feature this environmental label meet the company's criteria for environmental consciousness, a set of standards based on ISO 14021 self-declaration type II. For more information, please visit www.rolanddg.com.

ECO

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AUTHORISED DEALER:

April 2013